

□ Project Progress

- Got familiar with the codes of base work (Wide ResNet, iBNN)
- Implemented two kinds of basic flows for iBNN-style neural networks
- Experimented the effect of NF with a 2D binary classification example

□ Key Findings

- The flow-based model is more robust to initialization, and is better calibrated
- The learned flow (if deep enough) is non-linear and contractive, compressing probability mass to one or several points

□ Future Work

- Making progress to image datasets, such as MNIST and CIFAR
 - Prepare for work presentation and final report
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